

Patent claims

1. A luminaire (1) having at least one luminous means (2) in a flatly constructed luminaire housing (3) consisting of two rectangular frames (4, 4') with longitudinal and transverse sides, characterized in that each frame (4, 4') is composed of lateral wings (5, 5a; 5', 5a') parallel to the at least one luminous means (2), and front wings (6, 6a; 6', 6a') transverse thereto, in that the mutually facing surfaces (7, 7') of the two frames (4, 4') are substantially constructed as reflective surfaces, in that spacer elements (8, 8a) keep the opposing lateral wings (5, 5') of the two frames (4, 4') at a prescribed spacing, in that in each case two angled spacer corner connectors (9) interconnect the respectively opposing front wings (6, 6') of the two frames (4, 4') and thus support the connection of the front wings (6, 6') to the associated side wings (5, 5') of the corresponding frame (4, 4') at the prescribed spacing, in that a profile (10) is fastened on a frame (4) in order to reinforce the luminaire housing (3), and in that mounts (11) for the at least one luminous means (2) are fastened on the front wings (6) of the reinforced frame (4).
2. A luminaire (1) as claimed in claim 1, in which, in addition to or instead of spacer elements (8), light distribution elements (8a, 13') are pushed in between the mutually facing surfaces (7, 7') of the lateral wings (5, 5') and/or front wings (6, 6') such that light exits laterally from the luminaire housing (3) and substantially all around in a diffuse fashion as preferably colored light.
3. A luminaire (1) as claimed in one of the preceding claims, in which the angled spacer corner connectors (9), can be detachably connected to the associated lateral wings (5, 5') of the corresponding frame (4;

4') by butting and/or by form-fitting and/or by means of the spacer elements.

4. A luminaire (1) as claimed in one of the preceding claims, in which, acting as a cable duct on the reinforced frame (4) of the luminaire housing (3), the profile (10) also holds auxiliary units (12).

5. A luminaire (1) as claimed in claim 1, in which a light distribution device (14) is additionally arranged along the at least one luminous means (2) on the luminaire housing (2) such that light is predominantly guided directly and in a substantially neutral fashion on to a useful surface.

6. A luminaire (1) as claimed in claim 5, in which the light distribution device (14) consists of a scattering material or is coated therewith, and has a geometric scattering structure.

7. A luminaire (1) as claimed in one of the preceding claims, in which the luminaire housing (3) consists of metal or plastic or both and is composed of in each case unipartite flat lateral wings (5, 5') and front wings (6, 6') with an essentially rectangular cross sectional profile.

8. A luminaire (1) as claimed in one of the preceding claims, in which the angled spacer corner connectors (9) and lateral wings (5, 5') are formed as a receptacle and in order to guide a clamping wire (22) such that the luminaire (1) can be freely displaced in space in the wire direction.

9. A luminaire (1) as claimed in one of the preceding claims, in which threaded bores (15) for fastening elements preferably of reinforced frames (4) are

prepared for mounting purposes, mounting bores (21) preferably in the profile (10).

10. A luminaire (1) as claimed in one of claims 1 to 5 9, in which the angled spacer corner connectors (9) are formed such that they project beyond the front wings (6, 6') below the lateral wings (5, 5').

10 11. A luminaire (1) as claimed in one of claims 1 to 9, in which the in each case two angled spacer corner connectors (9) together with the respectively opposing front wings (6, 6') are formed in one piece.